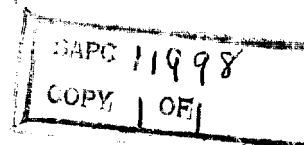


SECRET

18 December 1956

CMCC Doc. No. 151X5.353
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Dear Dick:

We are forwarding herewith eight copies of Monthly Progress Letter No. 17, covering the work performed on System No. 3 during the period extending from 4 November 1956 to 4 December 1956.

Sincerely,

Burt

Enclosures:

CMCC Doc. No. 163X5.23
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Monthly Progress Letter No. 17

Contract No. A-101

System Three

4 November 1956 to 4 December 1956

CMCC Document No. 163X5. 23

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(This document contains a total of 3 sheets,
including this title sheet.)

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SECRET1. General

During the interval covered by this letter, the major effort continued to be directed toward system, spares and test-set production. A few production problems of the kind usually associated with initial production phases arose, but these are being solved and it may therefore be expected that production will proceed more smoothly.

2. Production Status

Two complete systems, several spare assemblies, and a test set were delivered during this reporting interval.

3. Production Problems

a. As indicated in a previous report, insulation breakdown occurred on some assemblies. The modifications necessary to correct this defect have now all been completed.

b. Intermittent and open connections in encapsulated assemblies were a source of considerable difficulty in production and testing activities. Upon investigation, it was determined that the difficulty was due to the formation of surface scale at certain soldered connections, and this difficulty has now been remedied.

4. System Improvements

c. On the basis of experience acquired during more extensive field testing, certain improvements are indicated to obtain greater reliability and ease of maintenance. Improvements can be made in the arrangement of the cabling harness on the main chassis plate, modification of the etched-board connectors, and in bringing out additional test points in the sweep assembly. These are being studied to determine feasibility of incorporation without unduly hindering production schedules. In some instances, changes will undoubtedly facilitate production.

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5. Delivery Schedule

Two systems are scheduled to be delivered on 10 December 1956, and the third test set is scheduled to be delivered on 24 December 1956.

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